284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG			Date Collected:	11/13/24
Project:	Marion Switch			Date Received:	11/13/24
Client Sample ID:	345-2-STONE-E2			SDG No.:	P4835
Lab Sample ID:	P4835-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/14/24 09:40	11/14/24 17:47	PB164966

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	24.3		1	1.80	2.00	mg/kg	FE051240.D
Aliphatic C9-C28	Aliphatic C9-C28	343		10	17.2	40.0	mg/kg	FE051252.D
Total AliphaticEPH	Total AliphaticEPH	368			19.0	42.0	mg/kg	
Total EPH	Total EPH	368			19.0	42.0	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Client Sample ID:	345-2-STONE-E2		SDG No.:	P4835	
Lab Sample ID:	P4835-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051240.D	1	11/14/24	11/14/24	PB164966

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	334	E	1.72	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.3		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4835-04	Acq On:	14 Nov 2024 17:47
Client Sample ID:	345-2-STONE-E2	Operator:	YP\AJ
Data file:	FE051240.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.753	640764	4.58	300	ug/ml
Aliphatic C12-C16	6.754	10.184	2192720	15.592	200	ug/ml
Aliphatic C16-C21	10.185	13.542	279950353	2030	300	ug/ml
Aliphatic C21-C28	13.543	17.196	398306351	2970	400	ug/ml
Aliphatic C28-C40	17.197	22.038	46941710	364.6	600	ug/ml
Aliphatic EPH	3.135	22.038	728031898	5390		ug/ml
ortho-Terphenyl (SURR)	11.850	11.850	6180132	41.17		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	4690760	41.32		ug/ml
Aliphatic C9-C28	3.135	17.196	681090188	5030	1200	ug/ml